

APPENDIX E: T-REX MODEL OUTPUT (EXAMPLE)

T-REX output based on 1 liquid application of prometryn at 2.4 lb a.i./acre.

Summary of Risk Quotient Calculations Based on Upper Bound Kenaga EECs

Table 1. Upper Bound Kenaga, Acute Avian Dose-Based Risk Quotients											
Size Class (grams)	Adjusted LD50	EECs and RQs									
		Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Granivore	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
20	2409.21	656.01	0.27	300.67	0.12	369.00	0.15	41.00	0.02	9.11	0.00
100	3067.04	374.08	0.12	171.45	0.06	210.42	0.07	23.38	0.01	5.20	0.00
1000	4332.31	167.48	0.04	76.76	0.02	94.21	0.02	10.47	0.00	2.33	0.00

Table 2. Upper Bound Kenaga, Subacute Avian Dietary Based Risk Quotients								
LC50	EECs and RQs							
	Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
5000	576.00	0.12	264.00	0.05	324.00	0.06	36.00	0.01

Size class not used for dietary risk quotients

Table 3. Upper Bound Kenaga, Chronic Avian Dietary Based Risk Quotients								
NOAEC (ppm)	EECs and RQs							
	Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
500	576.00	1.15	264.00	0.53	324.00	0.65	36.00	0.07

Size class not used for dietary risk quotients

Table 4. Upper Bound Kenaga, Acute Mammalian Dose-Based Risk Quotients											
Size Class (grams)	Adjusted LD50	EECs and RQs									
		Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Granivore	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
15	3960.49	549.17	0.14	251.70	0.06	308.91	0.08	34.32	0.01	7.63	0.00
35	3204.46	379.55	0.12	173.96	0.05	213.50	0.07	23.72	0.01	5.27	0.00
1000	1386.03	88.00	0.06	40.33	0.03	49.50	0.04	5.50	0.00	1.22	0.00

Table 5. Upper Bound Kenaga, Acute Mammalian Dietary Based Risk Quotients									
LC50 (ppm)	EECs and RQs								
	Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	
0	576.00	#DIV/0!	264.00	#DIV/0!	324.00	#DIV/0!	36.00	#DIV/0!	

Size class not used for dietary risk quotients

Table 6. Upper Bound Kenaga, Chronic Mammalian Dietary Based Risk Quotients									
NOAEC (ppm)	EECs and RQs								
	Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	
10	576.00	57.60	264.00	26.40	324.00	32.40	36.00	3.60	

Size class not used for dietary risk quotients

Table 7. Upper Bound Kenaga, Chronic Mammalian Dose-Based Risk Quotients											
Size Class (grams)	Adjusted NOAEL	EECs and RQs									
		Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Granivore	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
15	1.43	549.17	384.42	251.70	176.19	308.91	216.23	34.32	24.03	7.63	5.34
35	1.16	379.55	328.37	173.96	150.50	213.50	184.71	23.72	20.52	5.27	4.56
1000	0.50	88.00	176.02	40.33	80.67	49.50	99.01	5.50	11.00	1.22	2.44